


Form 2D NPDES		<p align="center">New Sources and New Dischargers</p> <p align="center">Application for Permit to Discharge Process Wastewater</p>
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I. Outfall Location	
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For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.


Outfall Number (/list)	Latitude			Longitude			Receiving Water (name)
	Deg.	Min.	Sec.	Deg.	Min.	Sec.	
001A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)
002A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)
003A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)
004 A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)
005 A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)

II. **Discharge Date** (When do you expect to begin discharging?)

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

[illegible]

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1. Outfall Location	
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For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg.	Min.	Sec.	Deg.	Min.	Sec.	
006A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)
007	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Floating Storage and Regasification Unit (FSRU)
008	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Gas Port Platform Structure
009A/B	17.00	54.00	14.00	66.00	13.00	49.00	Caribbean Sea - Lat. and Long. of Gas Port Platform Structure
010 Hydrstatic Test Water	17.00	57.00	48.00	66.00	13.00	37.00	Jobos Bay - Lat. and Long. of test water discharge

II. **Discharge Date** (When do you expect to begin discharging?)

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

[illegible]

B. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item III-A. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

C. Except for storm runoff, leaks, or spills, will any of the discharges described in Items III-A be intermittent or seasonal?

☒ YES (complete the following table)

☐ NO (go to Section IV)

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week (specify average)	b. Months Per Year (specify average)	a. Maximum Daily Flow Rate (in mgd)	b. Maximum Total Volume (specify with units)	c. Duration (in days)
003A/B FSRU Water Safety Curtain	3 days/wk.	12 mon./Yr.	0.6 MGD	73 million gallons (MG)	122 days
007 FSRU Fire Control Test Water	1 day/wk.	12 mon./Yr.	0.06 MGD	3.2 MG	52 days
008 GasPort Fire Control Test Water	1 days/wk.	12 mon./Yr.	0.095 MGD	4.9 MG	52 days
009A/B GasPort Water Safety Curtains	3 day/wk.	12 mon./Yr.	1.2 MGD	146 MG	122 days
010 Hydrostatic Test Water* (*One time test period and not continuing discharge)	-*	-*	0.24 MGD*	0.72 MG*	3 days*

IV. Production

If there is an applicable production-based effluent guideline or NSPS, for each outfall list the estimated level of production (projection of actual production level, not design), expressed in the terms and units used in the applicable effluent guideline or NSPS, for each of the first 3 years of operation. If production is likely to vary, you may also submit alternative estimates (attach a separate sheet).

Year	A. Quantity Per Day	B. Units Of Measure	c. Operation, Product, Material, etc. (specify)
0.00	0.00	0	NA
0.00	0.00	0	NA
0.00	0.00	0	NA

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 001A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	17651	11767	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	103,942	55,501	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	1,137	784	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	39,223	11,767	3,4-Need to consider influent concentration
Flow (MGD)	47	47	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	94	47	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	38.2	38.2	Requires mixing zone application
Temperature (Summer) (oC)	44.2	44.2	Requires mixing zone application
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	59	49	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 002A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	2,250	1,500	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	13,250	7,075	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	145	100	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	5,000	1,500	3,4-Need to consider influent concentration
Flow (MGD)	6	6	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	12	6	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	35.2	35.2	Requires mixing zone application
Temperature (Summer) (oC)	35.2	35.2	Requires mixing zone application
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	8	6	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 003A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	225	150	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	1325	708	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	15	10	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	500	150	3,4-Need to consider influent concentration
Flow (MGD)	0.6	0.6	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	1.2	0.6	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	0.8	0.6	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 004A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	101	68	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	596	318	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	6.5	4.5	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	225	68	3,4-Need to consider influent concentration
Flow (MGD)	0.27	0.27	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	0.54	0.27	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	0.34	0.28	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 005A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	26	17.3	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	153.4	81.4	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	1.7	1.2	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	58	17.3	3,4-Need to consider influent concentration
Flow (MGD)	0.069	0.069	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	0.14	0.07	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	0.09	0.07	3,4-Need to consider influent concentration
Coliforms (MPN/100 mL)	200	<200	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 006A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (*both concentration and mass*) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	713	475	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	4,195	2,240	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	46	32	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	1,584	475	3,4-Need to consider influent concentration
Flow (MGD)	1.9	1.9	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	3.8	1.9	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	2.4	2.0	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 007A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	23	15	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	133	71	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	1.5	1.0	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	50	15	3,4-Need to consider influent concentration
Flow (MGD)	0.06	0.06	FSRU Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	0.12	0.06	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	0.08	0.06	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 008
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (*both concentration and mass*) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	36	24	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	210	112	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	2.3	1.6	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	80	24	3,4-Need to consider influent concentration
Flow (MGD)	0.095	0.095	Gas Port Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	0.19	0.10	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	0.12	0.10	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 009A/B
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	450	300	3,4-Need to consider influent concentration
Chemical Oxygen Demand(ppm)	265	141.5	3,4-Need to consider influent concentration
COD(pounds/day)	2,650	1,415	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	29	20	3,4-Need to consider influent concentration
Total Suspended Solids(ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	1,000	300	3,4-Need to consider influent concentration
Flow (MGD)	1.2	1.2	Gas Port Water Balance
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	2.4	1.2	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	0.15	0.13	3,4-Need to considerinfluent concentration
Res.Chlorine (pounds/day)	1.5	1.3	3,4-Need to consider influent concentration

CONTINUED FROM THE FRONT	EPA I.D. NUMBER (copy from Item 1 of Form 1)	Outfall Number 010
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V. Effluent Characteristics

A and B: These items require you to report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions (See table 2D-2 for Pollutants)

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source (see instructions)
Bio.Oxygen Demand (ppm)	45	30	3,4-Need to consider influent concentration
BOD (pounds/day)	90	60	3,4-Need to consider influent concentration
Chemical Oxygen Demand (ppm)	265	141.5	3,4-Need to consider influent concentration
COD (pounds/day)	530	283	3,4-Need to consider influent concentration
Total Organic Carbon (ppm)	2.9	2.0	3,4-Need to consider influent concentration
TOC (pounds/day)	5.8	4.0	3,4-Need to consider influent concentration
Total Suspended Solids (ppm)	100	30	3,4-Need to consider influent concentration
TSS (pounds/day)	200	60	3,4-Need to consider influent concentration
Flow (MGD)	0.24	0.24	Est. Hydrostatic Water Need/Test
N-Ammonia (ppm)	0.24	0.12	3,4-Need to consider influent concentration
N-Ammonia (pounds/day)	0.48	0.24	3,4-Need to consider influent concentration
Temperature (Winter) (oC)	32.2	32.2	PREQB Standard or ambient
Temperature (Summer) (oC)	32.2	32.2	PREQB Standard or ambient
pH (su)	7.3 to 8.5	7.3 to 8.5	PREQB Standard
ResidualChlorine (ppm)	-	-	No chlorine treatment applied
Res.Chlorine (pounds/day)	-	-	No chlorine treatment applied

CONTINUED FROM THE FRONT		EPA I.D. NUMBER (copy from Item 1 of Form 1)	
C. Use the space below to list any of the pollutants listed in Table 2D-3 of the instructions which you know or have reason to believe will be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it will be present.			
1. Pollutant		2. Reason for Discharge	
NA		NA	
VI. Engineering Report on Wastewater Treatment			
A. If there is any technical evaluation concerning your wastewater treatment, including engineering reports or pilot plant studies, check the appropriate box below. <input type="checkbox"/> Report Available <input checked="" type="checkbox"/> No Report			
B. Provide the name and location of any existing plant(s) which, to the best of your knowledge resembles this production facility with respect to production processes, wastewater constituents, or wastewater treatments.			
Name		Location	
Northeast Gateway Energy Bridge Project NPDES Permit MA0040266		Atlantic Ocean, 13 miles offshore from Gloucester, MA	
PREPA Aguirre Power Station Complex NPDES Permit PR0001660		Salinas, Puerto Rico	

VII. Other Information (Optional)

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations for the proposed facility. Attach additional sheets if necessary.

None of the constituent concentrations consider an influent based contribution which must be considered for ambient surface water conditions at time of withdrawal.

Biological Oxygen Demand (BOD) estimate based on Puerto Rico Electric Power Authority (PREPA) discharge limits in Aguirre Power Plant NPDES permit (PR 0001660)

Chemical Oxygen Demand (COD) estimate based on effluent characteristics provided in USEPA (1999) nature of discharge report.

Total Organic Carbon (TOC) estimate based on effluent characteristics provided in USEPA (1999) nature of discharge report.

Total Suspended Solids (TSS) estimate based on USEPA Storet database data for TSS concentrations in Caribbean Sea waters and the Puerto Rico Environmental Quality Board (PREQB) narrative standard of no net increase in suspended solids other than by natural causes.

Flows based on projected discharge under maximum water use scenario for the FSRU or Gasport.

Ammonia concentration estimates based on USEPA (1999) nature of discharge report (for estimate purposes only).

Temperature (Winter) not to exceed the PREQB maximum standard of 32.2 oC (90oF) within permitable mixing zone. Maximum temperature rise based on discharge monitoring reports for the Northeast Gateway Project NPDES permit modification. Excelerate Energy requests the application for a mixing zone for Outfalls 001A/B and 002A/B.

Temperature (Summer) not to exceed the PREQB maximum standard of 32.2 oC (90oF) within permitable mixing zone. Maximum temperature rise based on discharge monitoring reports for the Northeast Gateway Project NPDES permit modification. Excelerate Energy requests the application for a mixing zone for Outfalls 001A/B and 002A/B.

Ph based on ambient conditions and PREQB standard of not to occur outside the range of 6.3 to 8.5 su

Residual chlorine levels based on anticipated residual levels for effective treatment for control of marine biofouling in water intake systems.

Excelerate Energy requests a PRDEQB mixing zone for Outfall 001A/B and Outfall 002A/B.

VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name and Official Title (type or print)

EDWARD SCOTT, GOO

B. Phone No.

832-813-7100

C. Signature

D. Date Signed

3 July 2013